

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE J		PAGE OF PAGES 1 16	
2. AMENDMENT/MODIFICATION NO. 0005		3. EFFECTIVE DATE 17-Jan-2001		4. REQUISITION/PURCHASE REQ. NO. ED-99-029		5. PROJECT NO.(If applicable) Renaud/504-862-2888	
6. ISSUED BY USACE, CONTRACTING DIVISION 7400 LEAKE AVE., RM 172 NEW ORLEANS, LA 70118		CODE DACW29		7. ADMINISTERED BY (If other than item 6) CODE See Item 6			
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)				X 9A. AMENDMENT OF SOLICITATION NO. DACW29-00-B-0003			
				X 9B. DATED (SEE ITEM 11) 13-Sep-2000			
				10A. MOD. OF CONTRACT/ORDER NO.			
				10B. DATED (SEE ITEM 13)			
CODE		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input checked="" type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning <u> 1 </u> copies of the document; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN THE REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A.THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B.THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
C.THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
D.OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) The above numbered solicitation for SELA, Hollygrove Area Drainage Improvements, Pritchard Place Pump Station, Orleans Parish, Louisiana, is amended as follows: Changes are made to the Bidding Schedule, specifications, and drawings as shown on the attached pages. <div style="text-align: center;">BID OPENING DATE</div> A Bid Opening Date of 1 February 2001, 2:00 PM local time, is hereby established.							
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) JAMES BARR / CONTRACTING OFFICER			
15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign)		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer)		16C. DATE SIGNED 12-Jan-2001	

SPECIFICATIONS:

SECTION 00010 - BID SCHEDULE

Delete the Bidding Schedule, pages 00010-3 through 00010-5 and replace with the attached revised Bidding Schedule, pages 00010-3 through 00010-5.

SECTION 01100 – GENERAL PROVISIONS

Page 01100-11, Paragraph 1.9. ORDER OF WORK, subparagraph c. Sequence of Work. Delete "(4) removal of temporary bulkheads at the intersection of the Oleander Street Covered Canal and the new covered canal along the Railroad Embankment" from the end of the paragraph.

SECTION 02315 - STRUCTURAL EXCAVATION AND BACKFILL

Page 02315-6, paragraph 2.1.1. Delete the text of this paragraph in its entirety and substitute the following text:

“Granular material shall be used for all structural backfill and fill unless shown or specified otherwise. Granular material shall be free of all wood, roots, clay lumps, and or any other deleterious materials. It shall be nonplastic material with 100 percent passing the U.S. Standard ½ inch sieve, at least 75 percent passing the No. 4 sieve, and no more than 10 percent passing the No. 200 sieve.

SECTION 02935

Insert the attached new Section 02935 - SODDING

SECTION 04200 - MASONRY

Page 04200-5, paragraph 2.2.1. Delete the text of this paragraph in its entirety and substitute the following text:

“Solid clay or shale brick shall conform to ASTM C-216 Type FBS-SW. Brick size shall be modular and the size of the brick used shall be 2-1/4 inches thick, 3-5/8 inches wide, and 7-5/8 inches long. Minimum compressive strength of the brick shall be 2,500 psi.”

SECTION 15121 - DISCHARGE PIPES

Page 15121-2, paragraph 2.1. Delete the text of this paragraph in its entirety and substitute the following text:

“The discharge pipe shall be steel spiral weld pipe conforming to the applicable ASTM, AWWA, and ANSI Standards listed above. The pipe shall be plain end with the weld bead ground flush along the internal surface and at the ends. Pipe size and wall thickness shall be as follows:”

<u>Size, inches OD</u>	<u>Wall Thickness</u>
48	½ inch
8	Schedule 80
6	Schedule 80

Page 15121-2, paragraph 2.2. Delete the text of this paragraph in its entirety and substitute the following text:

“The fittings for discharge pipe shall be mitered, spiral weld pipe conforming to ANSI B18.9 and the applicable ASTM and AWWA standards listed above. The fittings shall be plain end with weld bead ground flush along the internal surface and at the ends. Mitered 90 elbows shall be five-piece elbows and mitered 45 elbows shall be four-piece per AWWA C208. Set radius (R) equal diameter (D). Fittings size and wall thickness shall be as follows:”

<u>Size, inches OD</u>	<u>Wall Thickness</u>
48	½ inch
8	Schedule 80
6	Schedule 80 "

Page 15121-2, paragraph 2.3. Delete the text of this paragraph in its entirety and substitute the following text:

“The wall thimble shall be steel spiral weld pipe conforming to the applicable ASTM and AWWA Standards listed above. The pipe shall be plain and with the weld bead ground flush along the internal surface and at the ends. The thimble shall be located so that it is centered in the wall when embedded. Wall thimble size and wall thickness shall be as follows:

<u>Size, inches OD</u>	<u>Wall Thickness</u>
48	½ inch
8	½ inch
6	0.432 inch"

DRAWINGS:

Make the following corrections to the drawings:

Drawing A4, 41 of 58

Typical Door Details, H2 drawing. Note pointing to the I-Beam, “Lintel - See drawing 4 on DWG S10”. Delete “DWG S10” and substitute “DWG S11A, 31 of 58”.

Drawing S8

Section B. Delete the reference to " 6" base".

SECTION 00010 - BIDDING SCHEDULE

**SOUTHEAST LOUISIANA PROJECT, LOUISIANA
HOLLYGROVE AREA DRAINAGE IMPROVEMENTS
ORLEANS PARISH, LOUISIANA**

PRITCHARD PLACE DRAINAGE PUMP STATION

Item	Description	Estimated Quantity	Unit	Unit Price	Estimated Amount
0001	Mobilization and Demobilization	01	LS		
0002	Temporary Traffic Control	01	LS		
0003	Demolition	01	LS		
0004	Granular Subbase	100	SY		
0005	Dewatering	01	LS		
0006	Temporary Retaining Structures	01	LS		
0007	Grading	01	LS		
0008	Structural Excavation and Backfill	01	LS		
0009	Excavation, Trenching, and Backfilling for Site Work	01	LS		
0010	Test Pile(s)	2	Ea.		
0011	Timber Piles - Untreated	2740	LF		
0012	Timber Piles - Treated	3620	LF		
0013	Separation/Filtration Geotextile	01	LS		
0014	Water Distribution System	01	LS		
0015	Asphaltic Concrete Pavement	100	SY		
0016	Granular Base Course	100	SY		
0017	Sanitary Sewers	01	LS		
0018*	Rigid Base Course	577	SY		
0019*	Concrete Pavement	990	SY		

SECTION 00010 - BIDDING SCHEDULE

**SOUTHEAST LOUISIANA PROJECT, LOUISIANA
HOLLYGROVE AREA DRAINAGE IMPROVEMENTS
ORLEANS PARISH, LOUISIANA**

PRITCHARD PLACE DRAINAGE PUMP STATION

Item	Description	Estimated Quantity	Unit	Unit Price	Estimated Amount
0020	Chain Link Fence	400	LF		
0021	Concrete Pump Station	01	LS		
0022	Concrete Covered Canal	01	LS		
0023	Masonry Building	01	LS		
0024	Structural Welding	01	LS		
0025	Structural Steel	01	LS		
0026	Miscellaneous Metals	01	LS		
0027	Rough Carpentry	01	LS		
0028	Copper Roof System	2860	SF		
0029	Joint Sealing	01	LS		
0030	Aluminum Doors and Frames	5	EA		
0031	Overhead Coiling Door	01	EA		
0032	Exterior Roll-up Storm Shutters	6	EA		
0033	Glass and Glazing	01	LS		
0034	Stucco	01	LS		
0035	Painting	01	LS		
0036	Metal Wall Louvers	6	EA		
0037	Fire Extinguishers	4	EA		
0038	Toilet Accessories	01	LS		
0039	In-Line Water Booster Pump	01	LS		
0040	Oleander Canal One-Way Valve	01	LS		

SECTION 00010 - BIDDING SCHEDULE

**SOUTHEAST LOUISIANA PROJECT, LOUISIANA
HOLLYGROVE AREA DRAINAGE IMPROVEMENTS
ORLEANS PARISH, LOUISIANA**

PRITCHARD PLACE DRAINAGE PUMP STATION

Item	Description	Estimated Quantity	Unit	Unit Price	Estimated Amount
0041	Submersible Constant Duty Drain Pump	01	LS		
0042	Cathodic Protection	01	LS		
0043	Above-Ground Fuel Storage Tank	01	LS		
0044	Monorails with Manual Hoists and Trolleys	01	LS		
0045	Discharge Pipes	01	LS		
0046	Vertical Pumps	2	EA		
0047	Plumbing	01	LS		
0048	Vertical Pump Motors	2	EA		
0049	Electrical Work	01	LS		
0050	Diesel-Generator Set and Auxiliary Equipment	01	LS		
0051	Asphalt Repairs to Access and Haul Roads				
0051AA	First 700 Square Yards	700	SY		
0051AB	Square Yards in Excess of Quantity in SLIN 0051AA	1400	SY		
0052	Heating, Ventilating, and Air Conditioning	01	LS		
0053	Fuel Storage System	01	LS		
0054*	Sodding	0.35	AC		

*Denotes change from previous Bidding Schedule

TOTAL: \$_____

Award will be made as a whole to one bidder.

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SECTION 02935

SODDING

PART 1 GENERAL

1.1 SCOPE

The work provided for herein consists of furnishing all plant, labor, tools, equipment, and materials, and performing all operations necessary for finished dressing and sodding areas as specified herein and as indicated on the drawings. Sodding of the areas disturbed by the project construction work shall be performed upon completion of each phase of construction.

1.2 QUALITY CONTROL

1.2.1 General

The Contractor shall establish and maintain quality control for finished grade dressing and sodding operations and shall maintain records of his quality control for all construction operations including, but not limited to, the following:

1.2.1.1 Preparation of Ground Surface

Location and quality of finished grade dressing, including necessary clearing, filling, or dressing out of washes, smoothness and uniformity of surfaces, and time of year.

1.2.1.2 Maintenance and Repair (re-sodding)

Location, date, and type of maintenance problems and corrective treatment performed.

1.2.1.3 Watering

Quality of water, area watered (including date), quantity applied, and method of application.

1.2.1.4 Sodding

Quality, size of sod, source, placing date and method, spacing, covering, and compaction.

1.2.2 Installer Qualifications

The Contractor shall have an experienced landscape installer who has successfully completed landscaping work similar in material, design, and extent indicated for this project.

1.2.2.1 Field Supervision

The installer shall maintain a full-time, experienced landscape supervisor on the work site during sodding operations.

1.2.3 Topsoil Analysis

The Contractor shall furnish a soil analysis conducted by a qualified independent soil testing agency stating percentages of organic matter (silt, clay, and sand), deleterious material, pH value, mineral content, and plant nutrient content of topsoil. The analysis shall state the suitability of the topsoil for grass growth. Include recommended quantities of nitrogen, phosphorus, potash, limestone, sulfate, or other chemicals necessary to produce a satisfactory topsoil.

1.2.4 Reporting

The original and two copies of the records for inspections and tests, as well as the records for corrective action taken, shall be furnished to the Contracting Officer. Format of the report shall be as prescribed in Section 01451, "CONTRACTOR QUALITY CONTROL".

1.3 SUBMITTALS

Government approval is required for submittals with a "GA" designation; submittals having an "FIO" designation are for information only. The following shall be submitted in accordance with Section 01300 SUBMITTAL PROCEDURES:

1.3.1 Samples

Sod; GA.

Sod will be inspected during the sodding operations. Sod failing to meet the requirements specified herein will be rejected. Rejected material, if suitable, may be pulverized and used as soil for repairs as specified herein.

1.4 MEASUREMENT AND PAYMENT

Measurement for sodding satisfactorily performed, will be made by the acre. Acreage will be determined from surface areas computed from the section of area sodded. Measurement will be to the nearest foot and units computed to the nearest one-hundredth of an acre. Payment shall be included in the contract unit price for "Sodding". Price and payment shall constitute full compensation for furnishing all plant, labor, sod materials including granular material, topsoil, water, and equipment to complete work as specified herein and as shown on drawings. No payment will be made for placement of material required for any necessary repairs, or for unacceptable work or materials.

PART 2 PRODUCTS

2.1 MATERIALS

2.1.1 Granular Material for Dressing and Other Adjustments

Soil for areas to be filled or repaired shall be of a quality at least equal to that which exists in areas adjacent to the area to be filled or repaired. Granular material shall be free from clay, muck, weeds, weed seeds, roots, stones, and other materials that hinder grading, planting, and maintenance operations and shall not contain any toxic substances.

2.1.2 Planting Soil Mix (Topsoil)

For use in preparation of ground surface for finished grade and sodding, topsoil fill shall be obtained from a well drained area, and free from muck, weeds, weed seeds, roots, shells, stones, and other materials that hinder grading, planting, and maintenance operations. Topsoil shall be a minimum of 6 inches thick. The soil shall have at least 6 percent organic matter and an acidity range between pH 5.0 to 7.0, with no more than 20 percent clay.

2.1.3 Sod

Sod shall be 100 percent, field grown, Bermuda grass (See Table 1) at least 2 years old with at least 85 percent of the plants in the sod being grass. Sod containing a good cover of growing or living, well rooted, grass shall be furnished by the Contractor. Living grass is defined as grass that is seasonably dormant during a cold or dry season and capable of renewing growth after the dormant period. The sod shall be relatively free of weeds, undesirable plants, stones, and other material that would hinder the development of the grass. Sod shall be cut in rectangular strips 12 inches wide and with a length

that will permit the piece to be lifted without breaking. Each piece of sod shall have an area not less than 16 square inches and shall have not less than 2 inches of soil for the roots. Sod shall be procured from areas having growing conditions similar to those areas on which the sod is to be used. Vegetation more than 5 inches in height shall be cut to 3 inches or less, and shall be removed before the sod is installed. Sod shall be cut to provide an average thickness of 4.5 inches with a maximum of 5 inches.

Table I

Seeding Period and Grasses to be Used	Minimum Purity%	Minimum Germination%	Minimum Rate Lbs/Acre
2 March – 14 September Hulled Common Bermuda Grass	95	87	50
15 September - 1 March Unhulled Common Bermuda Grass Ryegrass	95 97	87 82	50 35

2.1.4 Water

Water shall be free from oil, acid, alkali, salt, and other substances harmful to the growth of grass.

PART 3 EXECUTION

3.1 AREAS TO BE TREATED

Sodding shall be performed on all unpaved areas within the construction right-of-way (ROW) and designated construction limits as shown on the drawings.

3.2 COMMENCEMENT, PROSECUTION, AND COMPLETION

3.2.1 General

The Contractor shall notify the City of New Orleans Department of Parks and Parkways (NODPP) Landscape Architect by certified mail 30 days and by telephone 72 hours prior to the date for each phase of the sodding work. Preparation of the ground surface, fertilizing, and sodding operations shall be accomplished during the applicable growing season as specified in Table I.

Department of Parks and Parkways
Mr. Wallace Treme (504) 286-2112
2829 Gentilly Blvd.
New Orleans, LA 70122

3.2.2 Sequence of Work

The sequence of operations for work prescribed in this section, except mowing and re-fertilizing, shall be as follows:

- a. Preparation of Ground Surface (including application of fertilizer and herbicide).
- b. Sodding (do not install if grass is dormant).
- c. Watering.

Ground preparation and sodding operations shall commence upon completion of each block (phased) as the construction progresses.

3.3 PREPARATION OF GROUND SURFACE

3.3.1 General

The Contractor shall provide equipment in good condition for the proper preparation

of the ground and for handling and placing all materials. Equipment shall be approved by the Contracting Officer before work is started.

3.3.2 Clearing

Prior to grading and tilling, existing vegetation and debris that may interfere with sodding operations shall be grubbed, and raked. All debris shall be disposed of as directed by the Contracting Officer.

3.3.3 Grading

Previously established grades and slopes shall be maintained in a true and even condition on all areas to be sodded. Ruts, depressions, eroded areas, and necessary repairs to previously graded areas shall be made using material as described in herein. The material shall be placed and compacted. Where grades have not been established, the areas shall be graded as directed by the Contracting Officer, with all surfaces left in a true and even condition.

3.3.4 Tillage

All undulations or irregularities in the surface to be sodded shall be correctly dressed prior to sodding. After the areas required to be fertilized and sodded have been brought to the specified grades using fill material specified herein and 6 inches of topsoil, the soil shall be tilled to a depth of at least 4 inches by plowing, disking, harrowing, or other approved method until the condition of the soil is acceptable. Herbicide shall be applied in conjunction with the tilling operation using the specified colorant. Stones larger than 1-1/2 inches for any dimension, sticks, roots, rubbish, and other extraneous matter must be removed. The work shall be performed only during periods when, in the opinion of the Contracting Officer, beneficial results are likely to be obtained. When drought, excessive moisture, or other unsatisfactory conditions prevail, the work shall be stopped.

3.4 SODDING

Sod shall be installed within a maximum period of 24 hours from the time of delivery with no deliveries permitted on Friday. Do not install sod if grass is dormant. Butt ends and sides of sod with no stretch or overlap to form a solid mass with tightly fitted joints. Avoid damage to subgrade and sod during installation. Tamp and roll lightly to ensure contact with the topsoil subgrade eliminating air pockets, and forming a smooth surface. Work additional topsoil material into minor cracks between pieces of sod and remove any excess material to avoid smothering the sod or adjacent grass.

Saturate sodded areas with fine water spray within 2 hours of installing. Continuously maintain moist soil condition to a minimum depth of 1-1/2 inches below the bottom of the sod during the first week.

3.5 DAMAGE TO SODDING

The Contractor shall be fully responsible for any damage to sodded areas caused by his/her construction work or workers, poor workmanship, or failure to comply with the specification requirements. Such areas shall be repaired and resodded in compliance with the specification requirements, without additional cost to the Government.

3.6 CLEANUP

The Contractor shall promptly remove soil and debris caused by sodding operations from all paved areas. Wheels of vehicles shall be cleaned as necessary to avoid tracking or accumulating soil on the surface of roads, walks, or other paved areas.

3.7 MAINTENANCE

3.7.1 General

Maintenance shall include watering, weeding, mowing, trimming, re-sodding for necessary repairs, and all other operations required for the sod to achieve full establishment. Full establishment identifies the condition of a sodded area as having a minimum coverage of 90 percent with living, healthy grass where gaps are no larger than 4 inches.

3.7.2 Scope

The Contractor shall provide all maintenance for sodded areas for each phase of sodding work for a basic minimum period of 8 weeks, and a maximum period of the additional time required for any phased area of sodding to achieve full establishment. The protection fence shall be fully maintained during the maintenance period. Inspection for initial acceptance will be made at the end of the 8 week basic maintenance period and (as required) at the end of the time full establishment is achieved as determined by the Corp of Engineers' Landscape Architect and the NODPP Landscape Architect.

3.7.3 Watering

Saturate sodded areas with fine water spray within 2 hours of installing. Continuously maintain moist soil condition to a minimum depth of 1-1/2 inches below the bottom of the sod during the first week. When natural precipitation has not provided the required minimum watering equivalent to two 1 inch rains per week, the Contractor shall provide a minimum daily watering of 1 hour per day for each sodded area. The landscape installer shall monitor the level of precipitation by using acceptable gages. Watering shall be done in a manner that will prevent erosion due to the application of excessive quantities using watering equipment of a type that will prevent damage to the finished surface such as soaker hoses, pulsating sprinklers, etc.

3.7.4 Mowing

The Contractor shall complete at least 3 mowings before any sodded area will be inspected for acceptance. Cuttings shall be scheduled at 4, 6, and 8 weeks for each sodded area. For the first cutting, mower blades shall be set at 2-1/2 inches height. Do not cut more than 40 percent of grass-leaf growth in initial or subsequent mowings.

3.8 INSPECTIONS

The New Orleans District Corps of Engineers Landscape Architect and the NODPP Landscape Architect will inspect each sodded area at the end of its 8 week basic maintenance period to determine if full establishment has been achieved. Any area which is determined not to be in full establishment shall have new sod properly installed and maintained at no expense additional cost to the Government. The Contractor shall request a re-inspection for at the end of the maintenance period for each phase of sod that was initially determined unacceptable.